



BACKGROUND OF THE INVENTION

1 This is a divisional patent application based on U.S. Continuation Patent Application
2
3 Serial No. 10/154,356 filed on May 23, 2002, now U.S. Patent No. 6,634,665 B2 issued October
4 21, 2003.
5

Field of The Invention

6 The present invention relates generally to the field of wheelchairs and, more specifically,
7 to an electrical braking system and quick release, detachable wheels for manual wheelchairs.
8

Description of the Related Prior Arts

9 Numerous types of braking mechanisms for manual wheelchairs are known in the art.
10 The most typical manual wheelchair brake is a manual "over center" locking device which is
11 activated by a lever arm and, when forced into its locking position, presses a braking member
12 against the surface of the wheelchair tire creating a frictional braking action. Several factors
13 mitigate against the usefulness and reliability of these types of brakes. Loss of tire pressure
14 reduces the frictional force exerted by the crossbar on the tire and hence reduces the braking
15 effect. A significant air pressure loss leaves these brakes useless. During transfer in and out of
16 the chair, this type of brake allows the tire to slide underneath the crossbar and the wheelchair to
17 move. Similarly, the brakes are ineffective and will not adequately hold the wheelchair on an
18 slope. These disadvantages are overcome by the present invention.
19



have evidentiary support after a reasonable opportunity for further investigation or discovery; and the denials of factual contentions are warranted on the evidence, or if specifically so identified, are reasonably based on a lack of information or belief.

SIGNATURE(S)

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Full name of second joint inventor, if any:

Inventor's signature: _____

Date _____ Country of Citizenship: United States

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Full name of third joint inventor, if any:

Inventor's signature: _____

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P-7519(DIV)

January 11, 2006

Commissioner for Patents
Post Office Box 1450
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ATTENTION: EXAMINER, TONY H. WINNER (ART UNIT 3611)

RE: U.S. Divisional Patent Application Serial No. 10/622,339 filed July 18, 2003
entitled "Quick Release Detachable Wheels"

Dear Mr. Winner:

Pursuant to your instructions to my secretary, Melissa Hudson, on January 9, 2006, enclosed are the following:

1. Page 4 of the Combined Declaration and Power of Attorney which has been corrected to reflect the Applicant's address; and
2. Page 1 of the U.S. Patent Application which has been revised pursuant to your hand-written note to reference U.S. Patent No. 6,634,665 B2 issued October 21, 2003.

Please stamp the enclosed acknowledgment card with the date of receipt and return to my office.

Sincerely,

John C. Cave
by mel

JCC:mel

Enclosures

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